

MECHETNAYA, V. N., Cand Agr Sci -- (diss) "Some problems of biology and
agrotechnics of white mustard *[Sinapis alba]*." Khar'kov, 1960. 19 pp;
(Ministry of Agriculture Ukrainian SSR, Khār'kov Order of Labor Red Ban-
ner Agricultural Inst im V. V. Dokuchayev); 200 copies; free; (KL, 22-60,
141)

AYZENSHTADT, L.A.; PEN'KOV, P.M.; GLADKOV, B.A.; LIKHT, L.O.; KRIMMER, T.Ye.; KASHEPAV, M.Ya., kand. tekhn. nauk; MERPERT, M.P., kand. tekhn. nauk; KOPERBAKH, B.L.; CHERNIKOV, S.S., kand. tekhn. nauk; BELOV, V.S.; ZHURIN, B.F.; MONAKHOV, G.A., kand. tekhn. nauk; MOROZOV, I.I.; MUSHTAYEV, A.F.; OGNEV, N.N.; PALEY, M.B., kand. tekhn. nauk; FURMAN, D.B.; LIVSHITS, A.L., kand. tekhn. nauk; MECHETNER, B.Kh.; SOSENKO, A.B.; AVDULOV, A.N.; LEVIN, A.A., kand. tekhn. nauk; YAKOBSON, M.O., doktor tekhn. nauk; MAYOROVA, E.A., kand. tekhn. nauk; MOROZOVA, Ye.M.; ZUSMAN, V.G., kand. tekhn. nauk; NAYDIS, V.A., kand. tekhn. nauk; VLADZIYEVSKIY, A.P., prof., doktor tekhn. nauk, red.; BELOGUR-YASNOVSKAYA, R.I., red.; CHIGAREVA, E.I., red.; ASVAL'DOV, M.Ya., red.; KOGAN, F.L., tekhn. red.

[Machine-tool industry in capitalist countries] Stankostroenie v kapitalisticheskikh stranakh. Pod red. i s pre-disl. A.P.Vladziyevskogo. Moskva, 1962. 822 p. (MIRA 15:7)

1. Moscow. Tsentral'nyy institut nauchno-tekhnicheskoy informatsii mashinostroyeniya. 2. Eksperimental'nyy nauchno-issledovatel'skiy institut metallorezhushchikh stankov (for Vladziyevskiy, Belogur-Yasnovskaya, Chigareva, Asval'dov, Kogan).

(Machine-tool industry)

L 46139-66 EWT(1)/EWP(e)/EWT(m)/T-2/EWP(t)/ETI/EWP(k) IJP(c) JD/WW/M
ACC NR: AP6022884 SOURCE CODE: UR/0121/66/000/004/0023/0027

AUTHOR: Kazantsev, V. F.; Mechetner, B. Kh.; Rozenberg, L. D.

ORG: None

TITLE: Increasing the productivity and accuracy of ultrasonic machining

SOURCE: Stanki i instrument, no. 4, 1966, 23-27

TOPIC TAGS: ultrasonic machining, ultrasonic machine tool, abrasive, machine vibration, production engineering, vacuum pump

ABSTRACT: The problem of reliable abrasive suspension volume in the machining zone is studied as the sole means for increasing the productivity of ultrasonic machining. Significant progress was made towards the solution of this problem by the Lefeldt Company in West Germany with the production of the Diatron type A ultrasonic machine tool. This machine is equipped with a vacuum pump which draws off the abrasive suspension through a central opening in the tool. The productivity of this machine is higher by a factor of 2-3, and accuracy does not depend on machining depth. A table is given showing the effect which such basic parameters as feed force, vibration amplitude and machining area have on machining efficiency during abrasive suspension removal from the machining zone. These data show that the rate of machining approaches

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UDC: 621.9.048.6.014-97

L 4c129-66

ACC NR:
AP6022884

a certain value at a hole depth greater than 0.5 mm and does not vary up to a tool depth of 10 mm and more. By studying the relationship between machining rate and feed force at a constant amplitude, it was established that machining rate increases in proportion to the specific pressure with which the tool is fed into the workpiece surface. Under these conditions the proportionality factor is the same for tools with various areas. However, if the specific pressure is increased past a critical value, machining rate decreases. This shows that the critical feed force is independent of tool area. This is explained by the fact that the rate of machining decreases as a result of the presence of torsional instead of longitudinal vibrations at a critical feed force greater than 4 kg. Further studies were conducted to explain the nature of abrasive suspension removal from the machining zone. An experimental unit was set up with a powerful vibration system and higher efficiency. The model 4672 ultrasonic machine tool was used for this purpose. This machine is equipped with vacuum pumps for circulating the abrasive suspension. The test results are tabulated. A comparison of these data shows that productivity decreases and reaches zero as the feed force increases. This is explained by the fact that the abrasive is crushed as the feed force is increased. Although maximum productivity was observed at a critical feed force of 13.7 kg, productivity decreased with machining depth. Tests were conducted to determine the relationship between productivity and the rate of abrasive suspension replacement. Abrasive suspension removal was controlled by the amount of abrasive in solution. The results show that the rate of suspension replacement has a definite effect on productivity, and an even greater

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ACC NR: AP6022884

effect on machining depth. Without removal, the rate of machining approaches zero. It was shown that in order to increase productivity further, it is necessary to increase the pulse force transmitted by the tool to the abrasive, force the abrasive suspension into the machining clearance and make other modification. Surface finish was studied with respect to suspension circulation and removal. Further improvements in ultrasonic machine tools are suggested such as automation and modification. Orig. art. has: 7 figures, 2 tables, 1 formula.

SUB CODE: 13/ SUBM DATE: None/ ORIG REF: 004/ OTHER REF: 003

Card 3/3

LIVSHITS, A.L., kand.tekhn.nauk (Moskva); MECHETNER, B.Kh., inzh. (Moskva)

Three-dimensional working of materials by electroerosion
and ultrasonic waves. Fiz.v shkole 22 no.1:4-19 Ja-F '62.
(MIRA 15:3)
(Electric metal cutting) (Ultrasonic waves—Industrial application)

L 4069-66 ENT(d)/ENT(m)/ENT(v)/ENT(k)/ENT(t)/ENT(h)/ENT(b)/ENT(l) JD

SOURCE CODE: UR/0020/65/164/002/0311/0314

ACC NR: AP5023999

AUTHOR: Rozenberg, L. D.; Kazantsev, V. F.; Mechetner, B. Kh.

ORG: Acoustic Institute, Academy of Sciences, SSSR (Akusticheskiy institut Akademii nauk SSSR); Experimental Scientific Research Institute of Metal-Cutting Machine Tools (Experimental'nyy nauchno-issledovatel'skiy institut metallorezhushchikh stankov)

TITLE: Increasing the efficiency of ultrasonic machining

SOURCE: AN SSSR. Doklady, v. 164, no. 2, 1965, 311-314

TOPIC TAGS: ultrasonic machining, abrasive slurry, abrasive slurry natural feed, abrasive slurry forced feed, ultrasonic machine efficiency

ABSTRACT: The newly developed 4772A and 4773A ultrasonic machine tools substitute forced feeding of abrasive slurry for the natural feeding in the parent model 4772.

Fresh abrasive slurry is forced from a tank by compressed air at a pressure of 1-3.5 atm through a hole in the transducer (tool) into the working zone. The worked-out slurry flows into a settling tank. Continuous flow of fresh abrasive slurry with a required abrasive grain size makes the machining speed independent of the depth of the machined surface. Continuous flow also makes it possible to increase the tool pressure on the surface being machined, which, in turn, increases the ma-

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L 4069-66

ACC NR: AP5023999

ching rate by 3—4 times and decreases the specific energy required for metal removal. Parent model 4772, which has a 1.5-kw generator, removes 1200 mm³ of glass per min at a specific energy consumption of 75 j/mm³. Model 4772A, which has a 1.5-kw generator, removes 5000 mm³/min at a specific power consumption of 18 j/mm³. The corresponding figures for model 4773A, which has a 4.0-kw generator, are 12,000 mm³/min and 20 j/mm³. Author Certificate No. 149666 was issued to L. D. Rosenberg et al., in 1962 for the new fuel system. Orig. art. has 4 figures and 1 table. [MS]

SUB CODE: IE, GP, MW / SUBM DATE: 03 Feb 65 / ORIG REF: 003 / OTH REF: 003 / ATD PRESS: 4127

BYK
Card 2/2

L 23831-66 EWT(d)/EWT(m)/EWP(v)/EWP(t)/EWP(k)/EWP(h)/EWP(l) IJP(c) JD
ACC NR: AP6007721 SOURCE CODE: UR/0413/66/000/003/0120/0121

AUTHORS: Makarov, L. O.; Mechettner, B. Kh.; Nemirovskiy, I. E./ Yakhimovich, D.F.

ORG: none

TITLE: Device for ultrasonic machining. Class 49, No. 178665

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 3, 1966, 120-121

TOPIC TAGS: ultrasonic machine tool, magnetostriction oscillator, ultrasonic machining

ABSTRACT: This Author Certificate presents a device for ultrasonic machining. The apparatus contains an acoustic head with a concentrator and a magnetostriction transducer. To increase the productivity of the process, the mounting of the concentrator and magnetostriction transducer in the housing of the acoustic head is in the form of supporting resonance flanges of variable thickness, e.g., with uniformly increasing wall thickness from the center to the periphery (see Fig. 1).

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UDC: 621.9.018.6.06

23831-63

ACC NR: AP6007721

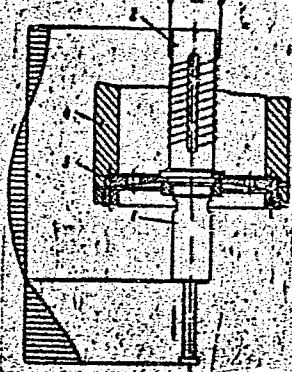


Fig. I. 1 - concentrator;
2 - magnetostriction
transducer; 3 - resonance
flange; 4 - housing.

Orig. art. has: 1 diagram.

SUB CODE: 13-20

SUBM DATE: 11 Feb 62

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MECHEV, A.

Fire engines for northern regions. Pozh.delo 6 no.2:21-22 F
'60. (MIRA 13:5)

1. Vedushchiy konstruktor avtotsisterny dlya severnykh rayonov.
ATsSP-30, Prilukskogo zavoda protivopozharnogo oborudovaniya.
(Fire engines)

MECHEV, A.

PK-30K fire pump. Pochdelo 6 no.4:19-20 Ap '60. (MIRA 13:11)

1. Vedushchiy konstruktor Osobogo konstruktorskogo byuro No.8.
(Pumping machinery)

MECHEV, A.^u, inzh.

New design of the power-take-off gear. Pozh.delo 7 no.10:23
0 '61. (MIRA 14:10)
(Motor vehicles—Transmission devices)

VORONIN, G.; KRAVCHENKO, K., inzh.; MELASHCHENKO, V., inzh.; MECHEV, A.,
inzh.

Tank cars of the near future. Fezh.dejo 7 no.11:22-24 N '61.
(MIRA 14:11)

1. Nachal'nik konstruktorskogo ot dela sektsii protivopozharnoy
tekhniki pri Gosudarstvennom Komitete Soveta Ministrov SSSR po
avtomatizatsii i mashinostroyeniyu (for Voronin).
(Fire engines) (Tank cars)

MECHEV, A., inzh.

Fire pump oil can. Pozh. delo 8 no. 10:23-24 0 '62.
(MIRA 15:10)

(Pumping machinery)

MECHEV, A.

New fire engines manufactured by the Priluki Plant. Pozh.delo 9 no.3:
24-25 Mr '63. (MIRA 16:4)

1. Nauchnyi otdel obshchestvennogo konstruktorskogo byuro No.8
Prilukskogo zavoda protivopozharnogo oborudovaniya.
(Priluki—Fire engines)

VASIL'YEV, V., inzh.; VORONIN, G., inzh.; MECHEV, A., inzh.

Water tank truck ATs-30(130)-63. Pozh. delo 9 no.4:24 Ap '63.
(MIRA 16:4)

(Fire departments—Equipment and supplies)

"APPROVED FOR RELEASE: 07/12/2001

CIA-RDP86-00513R001033210012-8

MECHEV, A.S.

The KOM-68 power take-off box. Avt. prom. 29 no.11:25c26 N '63.
(MIRA 16:12)

APPROVED FOR RELEASE: 07/12/2001

CIA-RDP86-00513R001033210012-8"

MECHEV, Stefan

Modern bourgeois theories on the workers' standard of living in capitalism. Trud tseni 4 no.5:33-46 '62.

"APPROVED FOR RELEASE: 07/12/2001

CIA-RDP86-00513R001033210012-8

MECHEV, St., k. ikon.n.

Academician Zhak Natan. Nauch zhivot 6 no.1:14-15 Mr-Ap'63

APPROVED FOR RELEASE: 07/12/2001

CIA-RDP86-00513R001033210012-8"

MECHEV, Stefan

The bourgeois and reformist theory on the role of technological progress in capitalism. Trud tseni 6 no. 1:
39-51 '64.

KUDRYAVTSEV, Afanasiy Stepanovich, prof.; SOKOLOV, B.M., prof., retsenzent;
MECHEV, S.P., dotsent, retsenzent; IONAS, Boris Yakovlevich, dotsent,
kand.ekonom.nauk, nauchnyy red.; ZUBKOVA, M.S., red.izd-va; DOMSKAYA,
G.D., tekhn.red.

[Road construction economics in the U.S.S.R.] Ekonomika dorozhnogo
stroitel'stva v SSSR. Moskva, Nauchno-tekhn.izd-vo M-va avtomobil'-
nogo transporta i shosseinykh dorog RSFSR, 1959. 243 p.
(MIRA 13:6)

(Road construction)

MUKHTAROV, Iv., inzh.; VLADOV, V., inzh.; TSOKOV, I., inzh.;
GEORGIEV, G.; MECHEV, V., inzh.; IRTEGOVA, T., inzh.

Processing of copper dross in short-barrel furnaces.
Min delo 18 no. 12: 25-28 D '63.

1. Olovodobivna fabrika, Kurilo.

12(2), 12(5), 25(5)

SOV/125-52-7-10/13

AUTHOR: Parkov, D.A., Paton, V.Ya., Potap'yevsky, A.G., Masharov,
V.C., Misochnikov, V.V.

TITLE: Automatic Welding of Small Size Automobile Parts in a
Carbon Dioxide Atmosphere

PERIODICAL: Avtomaticheskaya svarka, 1959, No. 7, pp. 70-72 (russ.)

ABSTRACT: The Institute of Electric Welding, (meni F.O. Paton),
has worked out a method of automatic welding of circumferential welds by means of thin wire in a protective atmosphere of carbon dioxide. This method has
been applied to the welding of small-size automobile
parts. The welding outfit encompasses the following
main parts: 1) the welding machine; 2) DC-generator;
3) cylinder with carbon dioxide; 4) oxygen reductor,
and 5) carbon dioxide heater. The welding head is
equipped with a design for continuous movement of the
electrode wire. The speed of movement can be still
changed by means of a speed change box, within the
limits of 110-730 m/hour. At the Moscow Carburetor

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2007-50-7-10/12

Automatic Welding of Small Size Automobile Parts in a Carbon Dioxide Atmosphere

Plant, where at the present time the new welding machine is in operation, the method of soldering by high-frequency electric current had been formerly used, where the burning of their metal work pieces often occurred, and the required strength of welds was effected. After the new method has taken up, the production capacity has increased 3-3,5 times, the quality of welded work pieces and the labor conditions were improved. The necessity of making copper rings for brazing and the application of sand blast cleaning of work pieces were eliminated. At the moment, the plant and the institute carry on their experiments in this field with a view to further developing this new method and applying it to other automobile parts. There are 2 tables, 1 diagram, 4 photographs and 1 Soviet reference.

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SOV/ISI-50-7-10/10

Automatic Welding of Small Size Automobile Parts in a Carbon
Dioxide Atmosphere

ASSOCIATION: 1) Ordera trudovogo krasnago znameni institut elektro-
svarki imeni Ye.O. Patona AN USSR (Order of the Red
Banner of Labor Institute of Electric Welding, AG
USSR imeni Ye.O. Paton); 2) Moskovskiy karbyuratornyy
zavod ("Moscow Carburetor Plant")

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18(5), 25(1)

SOV/125-59-10-9/16

AUTHOR: Dudko, D.A., Candidate of Technical Sciences, Litvinchuk, M.D., Mechev, V. S. and Chernoval, S. Ye., Engineers

TITLE: The Automatic Welding of the Seams of Thin-Walled Tubing in Carbon Dioxide

PERIODICAL: Avtomaticheskaya svarka, 1959, Nr 10, pp 77-80 (USSR)

ABSTRACT: The article contains the results of tests carried out at the Zaporozhskiy transformatornyj zavod (Zaporozh'ye Transformer Plant) on the welding of the butt-seams of 51 mm diameter steel tubing 1-1.5 mm thick. The process used was automatic arc-welding in carbon dioxide by means of a small-diameter melting electrode, and was considerably complicated by the fact that the tubing was slightly deformed at the edges due to the method of cutting. Certain other methods of welding, used where large clearances are required, are mentioned: overhead [Ref 3], vertical [Ref 1] and split electrode welding [Ref 4], the vertical method being eventually selected as most suitable (Fig 1). The actual welding operation was carried out by Type Sv-10GS and Sv-08GS electrode wire (diameter 1-1.2mm) at high speeds (80-90m/hour); the

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SOV/125-59-10-9/16

The Automatic Welding of the Seams of Thin-Walled Tubing in Carbon Dioxide

speed of delivery of the 1.2mm electrode wire was 137m/hour, the current 110-130 amps, the voltage 18-19 volts, the overhang of the electrode 10-12mm, the amount of carbon dioxide required 7-8 liters/min. Fig 2 shows an external view of the butt-end seams of the tubing, while tests carried out on the seams, as illustrated in Fig 3, confirmed their density as satisfying the necessary requirements. The simple instrument P-921 shown in Fig 4 was designed by the Institut svarki (Institute of welding), and consisted of a roller rotor (1), a welding head, an oxygen reducer and an electric section. The maximum length of tubing treated by this machine is 4,000 + 1,000 mm, and the minimum 800+800mm; power was provided by a .4 kilowatt synchronized motor, the speed of revolution of the rollers varying between 29m/hour and 96m/hour, while a PSh-54 feeding mechanism acted as the welding head, being provided with an auxiliary apparatus to correct the position of the electrode by -25mm horizontally and +15mm vertically. The machine

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SOV/125-59-10-9/16

The Automatic Welding of the Seams of Thin-Walled Tubing in Carbon Dioxide

can weld 700 seams in a shift. There are 3 photographs, 1 diagram, and 4 Soviet references.

ASSOCIATION: Ordena trudovogo krasnogo znameni institut elektrosvarki imeni Ye.O. Patona AN USSR (Order of the Red Banner of Labor Institute of Electric Welding imeni Ye.O. Paton AS UkrSSR) (Dudko, D.A., Litvinchuk, M.D., Mechev, V.S.); Zaporozhskiy transformatornyy zavod (Zaporozh'ye Transformer Plant) (Chernovol, S. Ye.)

SUBMITTED: June 12, 1959

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8(5),18(5)

SOV/125- 59-5-9/16

AUTHOR: Potap'yevskiy, A.G. and Mechev, V.S., Engineers

TITLE: The Use of Low Voltage Direct Current Generators With Self-Excitation, as Current Sources during Welding with Thin Wires With Carbon Dioxide

PERIODICAL: Avtomatischekaya svarka, 1959, Vol 12, Nr 5 (74)
pp 83-86 (USSR)

ABSTRACT: The article discusses the use of the low-voltage generator type ZD-7.5/30 for welding with thin wires under carbon dioxide. V.M. Timofeyev and L.S. Surikov stated that the generator can be used without alterations. (Ref. 5). The investigations of the Institut Elektro-svarki (Institute of Electric Welding) Ref. 6,7 have shown, that welding under carbon dioxide with wire of 0.5 - 1.2 mm diameter simultaneously shows a great number of short circuits, on the average low short-circuits per second. The article presents new investigations, in which can be seen, that as current source for welding with thin wires under carbon dioxide low-voltage

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SOV/125- 59-5-9/16

The Use of Low Voltage Direct Current Generators with Self-Excitation, as Current Sources during Welding With Thin Wires With Carbon Dioxide

generators of direct current with self-excitation can be used, if an excitation winding is switched parallel. For the tests generators of type ZD-7.5/30 and converters of type ZP-7.5/30 were used. The converters were produced in the Yaroslavl' Electrical-Mechanical Plant. There are 2 photographs, 2 graphs and 2 Soviet references.

ASSOCIATION: Ordena trudovogo krasnogo znameni Institut elektro-svarki imeni Ye.O.Patona AN USSR (Order of the Red Banner of Labor Institute of Electric Welding imeni Ye.O.Paton. AS UkrSSR)

SUBMITTED: January 19, 1959

Card 2/2

S/125/62/000/001/004/011
D036/D113

AUTHORS: Zaruba, I.I.; Potap'yevskiy, A.G.; Mechev, V.S.

TITLE: Improving the dynamic properties of welding generators

PERIODICAL: Avtomaticheskaya svarka, no. 1, 1962, 31-36

TEXT: The authors describe an auxiliary low-power current source connected up in parallel to a standard welding generator in order to improve the shape of the curve of variation of the short-circuit current and to obtain an optimum rate of current build-up during CO₂ arc welding with 0.8-1.2 mm welding wire. Its circuit diagram is shown in Fig. 1. The authors were awarded Author's Certificate No. 135991 of June 24, 1960, for such a current source. Previous attempts at adapting standard welding generators, such as the ГС-500 (GS-500) and the ГС-300 (GS-300), to provide a stable welding process under the above-specified welding conditions proved unsuccessful, because no attention was paid to these two factors. As a result of tests, the following conclusions were drawn: (1) A method was proposed for increasing the build-up rate of the short-circuit current in the welding circuit, thus allowing standard welding generators of the GS-500 and GS-300 type to be used

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Improving the dynamic ...

S/125/62/000/001/004/011
DO36/D113

for CO₂ arc welding with 0.5-1.2 mm wire; (2) Increasing the build-up rate of the short-circuit current and the steady-state value of the latter is achieved by connecting up a comparatively low-power source with the corresponding parameters in parallel to the main supply source; (3) It is imperative to connect a variable inductor in series into the circuit of the auxiliary current source, in order to vary the build-up rate of the short-circuit current in the welding circuit; (4) If a rectifier is used as an auxiliary current source, it must have a full-wave three-phase circuit securing minimum pulsation of the rectified voltage, since pulsation reduces the stability of the welding process. There are 5 figures and 6 Soviet references.

ASSOCIATION: Ordena Trudovogo Krasnogo Znameni Institut elektrosvarki im. Ye.O. Patona AN UkrSSR (Electric Welding Institute "Order of the Red Banner of Labor" im. Ye.O. Paton of the Academy of Sciences UkrSSR)

SUBMITTED: April 18, 1961

Card 2/2

S/125/61/000/005/007/016
A161/A127

AUTHORS: Dubenko, G. P., Mechev, V. S.

TITLE: Automatic welding machine for circular joints in thin-wall work with horizontal axis of revolution

PERIODICAL: Avtomaticheskaya svarka, no. 5, 1961, 55 - 58

TEXT: The Institut elektrosvarki im. Ye. O. Patona (Electric Welding Institute im. Ye. O. Paton) has recently developed a new CO₂ welding technology with thin (0.5 ± 1.2 mm) consumable electrodes for the automatic welding of thin-walled parts up to 300 mm in diameter in mass production [Ref. 1: I. I. Zaruba et al., Svarka v uglekislom gaze (CO₂ Welding), Tekhizdat Ukrainsky, 1960]. The article describes the P-964 (R-964) automatic welding machine designed and built at the Institute for this purpose. The machine is shown in a photograph. The position of the electrode can be varied during the process, and the welding metal pool flows under the arc thus preventing burning through at relatively strong current (to 150 amp) and large gaps. The machine handles work with a maximum diameter of 300 mm and 1,500 mm length with 0.8 ± 2 mm wall. Its major elements are: a rotator (headstock) with a chuck or clamps, two welding carriages, a tailstock with a

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Automatic welding machine for circular joints in...

S/125/61/003/003/007/016
A161/A127

live center. The control system is mounted inside the machine bed. The workpieces are fixed on the machine by a hand wheel. The spindle velocity is variable between 0.4 and 15 rpm. This is effected with shift-gears and an indefinitely variable control of the d-c. motor supplied from an amplitidyne. The machine operation is described and the process details are given in a table. The position of the electrode wire is changed by means of two electrode holders provided in the welding carriages - a horizontal holder for the radial displacement of the wire, and a circular holder for rotation. It is envisaged to make one of the two carriages displaceable along the work rotation axis to permit longitudinal welds and narrow-facing. A photograph of a part welded on the machine is included. The welds are sound and need no finishing. There are 2 figures, 1 table and 2 Soviet-bloc references.

ASSOCIATION: Ordona Trudovogo Krasnogo Znameni Institut elektrosvarki im. Ye. O. Patona AN USSR ("Order of the Red Banner of Labor" Electric Welding Institute, im. Ye. O. Paton AS UkrSSR)

SUBMITTED: January 5, 1961

Card 2/2

POTAP'YEVSKIY, A.G.; KORITSKIY, V.A.; Prinimali uchastiye: MECHEV, V.S.;
MAKAROV, M.D.; VAYSHTEYF, A.L.; KULIKOV, N.N.; SHANOVSKAYA, T.V.;
PAKMAN, S.M.; FEDCTCVA, L.P.; TATARINOV, G.V.

Ob-458m attachment for welding in CO₂ using PS-300, PSO-300,
and PS-500 transformers. Avtom.svar. 15 no.10:68-70
0 '62. (MIREA 15:11)
(Electric welding--Equipment and supplies)

GVOZDETSKIY, V.S.; MECHEV, V.S.

485

Displacement of an electric arc in a magnetic field. Avtom.
svar. 16 no.10:54-62 O '63. (MIRA 16:12)

1. Institut elektrosvarki imeni Patona AN UkrSSR.

GVOZDETSKIY, V.S.; MECHEV, V.S.

Investigating a direct current welding arc (flat and conical arcs) rotating in a magnetic field. Avtom. svar. 16 no.12:1-6
D '63. (MIRA 17:1)

1. Institut elektrosvarki imeni Patona AN UkrSSR.

ACC NR: AP7004200

(N)

SOURCE CODE: UR/0125/67/000/001/0059/0062

AUTHOR: Mechev, V. S.; Dudko, A. D.

ORG: Institute of Electric Welding im. Ye. O. Paton, AN UkrSSR (Institut elektrosvarki AN UkrSSR)

TITLE: Welding with an arc rotating in a magnetic field

SOURCE: Avtomaticheskaya svarka, no. 1, 1967, 59-62

welding equipment,

TOPIC TAGS: welding gun, arc welding, magnetic field, welding / A-1029 welding gun

ABSTRACT: The technology of rotary-arc welding (based on the use of an electrical arc rotating in a transverse magnetic field between the nonconsumable electrode and the product) has certain distinguishing features. First, the rate of motion of the arc does not equal the rate of fusion of the metal, i.e. the welding rate, but amounts to 10-25 m/sec. Second, as revealed by oscillographic studies of the welding process with simultaneous recording of the photocurrent to determine the rate of motion (each photocurrent peak corresponds to a single revolution of the arc), the arc rotates uniformly for some time following the excitation while the metal does not yet melt. As the electrode and product become heated, the number of revo-

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UDC: 621.791.75:537.523.5:538.12.001

ACC NR: AP7004200

lutions of the arc somewhat decreases and becomes irregular. Since the arc speed greatly exceeds the melting rate of the metal, during a single revolution a very small segment of the metal will be melted. Subsequently the extent of the melted segment increases until a continuous weld puddle forms over the entire perimeter of the product. Thus, another distinguishing feature of the rotating arc lies in that the weld puddle encompasses the entire perimeter of the parts being welded. Hence also the crystallization of the weld metal occurs uniformly along the entire perimeter. Further, in the process of melting of the edges of the product the weld-puddle metal is impelled by the rotating arc to move in the same direction as that of the arc. This is the third distinguishing feature of rotary-arc welding, and it represents a shortcoming of this method, since it leads to surface rippling. The optimal distance between the electrode and the product in rotary-arc welding should be 2-2.5 mm. The Ye. O. Paton Institute of Electric Welding has developed a special welding gun, the A-1029, for welding tubes onto tube sheets by means of an arc rotating in a radial magnetic field. Normally these tubes must be manually welded onto tube sheets over a period of time lasting from 15 to 30 sec per tube depending on its diameter (18-25 mm), wall thickness (0.3-2 mm and type of joint). The use of the A-1029 welding gun reduces the welding time to 2.5-6 sec. Orig. art. has: 3 fig., 1 table.

SUB CODE: 13, 11, 20/ SUBM DATE: 18Jan66/ ORIG REF: 005

Card 2/2

MECHEV, V.V.; OVCHINNIKOV, I.F.; NIKOLAYENKO, V.N.

Service life of converter linings during the smelting of
high-grade copper-nickel mattes. TSvet. met. 38 no.11:75-77
N '65. (MIRA 18:11)

MECHEV, Yu.L., inzh.; POLYAKOV, V.Ye., kand.tekhn.nauk

Alternating current supply for filament networks of transmitter-receiver sets for high-frequency protective relay systems. Izv. vys. ucheb. zav.; energ. 3 no. 7:29-32 J1 '60. (MIRA 13:8)

1. Ural'skiy politekhnicheskiy institut imeni S.M. Kirova.
Predstavlena kafedroy elektricheskikh stantsiy, setey i sistem.
(Electric power supply to apparatus)
(Electric relays) (Electric protection)

MICHEVA, I. S. --

"Cytological Diagnosis by the Puncture Method (Tapping) in the Pulmonary Diseases Clinic." Cand Med Sci, Central Inst for the Advanced Training of Physicians, Moscow, 1953. (RZhBiol, No 3, Oct 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (10)

SO: Sum. No. 481, 5 May 55

MECHEVA, I.S.

"Problems of regional epidemiology of tuberculosis." [redaktor,
zasluzhennyy vrach RSFSR i Yakutskoy ASSR] E.N.Andreev. Reviewed
by I.S.Mecheva. Probl. tub. no.4:76-78 J1-Ag '54. (MLRA 7:11)
(YAKUTIA--TUBERCULOSIS--PREVENTION)

MECHEVA, I.S. kandidat meditsinskikh nauk

Cells of the normal lung according to cytological analysis of
punctures. Lab.delo no.1:3-8 Jan-Feb.'55. (MLRA 8:8)

1. Iz Moskovskogo oblastnogo nauchno-issledovatel'skogo tuber-
kuleznogo instituta (dir.S.A. Chesnokov, zam.dir. po nauchnoy
chasti-prof. D.a. Aseyev)
(LUNGS, anatomy and histology,
cytol.)

MECHEVA, I.S.

Cytological picture of lung puncates in acute and chronic forms
of pneumonia. Lab.delo 2 no.2:7-9 Mr-4p '56. (MIRA 9:10)

l, Iz moskovskogo oblastnogo nauchno-issledovatel'skogo tuberkulez-
nogo instituta (dir. S.A.Chesnokov)
(PNEUMONIA)

MECHEVA, I.S.; KARIBSKAYA, A.V.; SKRYABINA, L.Ye.

Diagnostic value of punctates from the lymph nodes. Sov. med. 24
no. 5:54-61 My '60. (MIRA 13:10)

1. Iz Moskovskogo nauchno-issledovatel'skogo instituta tuberkuleza
(dir. V.F. Chernyshev, zamestitel' direktora po nauchnoy chasti -
prof. D. D. Aseyev) Ministerstva zdravookhraneniya RSFSR.
(LYMPHATICS--DISEASES) (PUNCTURES)

MEOHEVA, I.S., starshiy nauchnyy sotrudnik; TEODOR, I.L., mladzhii
nauchnyy sotrudnik

Diagnosis of bony metastases of adenoma of the thyroid gland
by the cytological method. Khirurgiia 37 no.5:93-95 My '61.
(MIRA 14:5)

I. Iz Nauchno-issledovatel'skogo instituta tuberkuleza (dir.
V.F. Chernyshev) Ministerstva zdravookhraneniya RSFSR.
(THYROID GLAND—TUMORS) (ADENOMA) (BONES—TUMORS)

SILLOVA, R.G.; KUCHEROVA, G.S.; POPOVA, A.M., starshiy tekhnik; MECHIK.
N.A., radiomekhanik, rukovoditel' brigady kommunisticheskogo
truda; GOLUBEKOV, N.I., nadzorshchik, udarnik kommunisticheskogo
truda; MAROVICH, A.F., rukovoditel' brigady kommunisticheskogo
truda

Leading workers and innovators share their experiences with
communications workers. Vest. sviazi 20 no.8:15-17 Ag'60.
(MIRA 13:10)

1. Brigadir telegrafistov sluzhby gorodskikh telegrafnykh
svyazey TSentral'nogo telegrafa SSSR (for Silova).
2. Pomoshchnik nachal'nika 245-go otdeleniya svyazi g. Moskvy (for
Kucherova).
3. Moskovskaya gorodskaya telefonnaya set'
(for Popova).
4. Televizionnoye ateliye No.38 (for Mechnik).
5. Moskovskaya gorodskaya radiotranslyatsionnaya set'.
(for Golubkov).
6. Nachal'nik pochтового vagona Otdeleniya
perevozki pochty na Kurskom vokzale v Moskve (for Marovich).
(Telecommunication--Employees)

MECHIKOV, N. F.

AID P - 1626

Subject : USSR/Engineering

Card 1/1 Pub. 29 - 8/23

Author : Mechikov, N. F., Electrician

Title : Cut peat skraper feeder operation indicator

Periodical : Energetik, 1, 16-17, Ja 1955

Abstract : The author describes briefly a small gadget to indicate continuity of movement in feeding peat to an electric power plant boiler. One simple diagram illustrates the idea.

Institution: None

Submitted : No date

"APPROVED FOR RELEASE: 07/12/2001

CIA-RDP86-00513R001033210012-8

MECHIKOV, H.F., elektremonter.

Telephone signal. Energetik 4 no.9:25 S '56. (MIRA 9:10)
(Telephone)

APPROVED FOR RELEASE: 07/12/2001

CIA-RDP86-00513R001033210012-8"

MECHIKOV, O. S.: Master Tech Sci (diss) --- "The use of photogrammetry to study the granularity of blasted material and to study the fissuring of rock".

Moscow, 1958. 16 pp (Min Higher Educ USSR, Moscow Mining Inst im I. V. Stalin),
150 copies (KL, No 1, 1959, 120)

MECHIKOV, O.S., inzh.

Photogrammetric method of evaluating the results of blasting
and the effect of naturally fissured rocks. Nauch. dokl. vys. shkoly
vys. shkoly; gor. delo no.3:20-27 '58. (MIRA 11:9)

1. Predstavlena kafedroy geodezii Moskovskogo gornogo instituta im.
I.V. Stalina.

(Photographic surveying) (Mining geology)
(Mining engineering)

MECHIKOV, O. S.

BELYAEV, A.F.

AUTHOR: Solomonov, M. 607/24-58-5-30/31
TITLE: Scientific-Method Conference on the Problem of
Breaking-up Rocks by Explosions (Pervoye nauchno-
metodicheskoye soveshchaniye po problemе drobleniya
gornykh porod varyvom)
PERIODICAL: Izvestiya Akademii Nauk SSSR, Otdeleniye Tekhnicheskikh
Nauk, 1958, Nr 5, pp 145-144 (USSR)
ABSTRACT: On February 24-26, 1958 a conference was held on breaking-
up rocks by explosions at the Institute of Mining, Ac.Sc.,
USSR (Institut Gornogo Dela AN SSSR). 100 people from
32 towns participated and the participants included
representatives of Works, Research Institutes of the
Ac.Sc. from various parts of the Soviet Union,
departmental research institutes and of higher teaching
establishments.

"construction" by Ye. Yu. Brodov, TzNIIS;
"Industrial production methods of estimating the
fragmentation of rock produced by explosive breaking-up
in quarries" by G. P. Desaidyuk and G. S. Cherepanov,
Institute of Mining, Ac.Sc., USSR;
"Photogrammetric method of evaluating fragmentation of
a rock mass" by O. R. Mechikov, Moscow Mining Institute.
In the section relating to the Influence of the
parameters of explosive fragmentation on the breaking-up
of rocks and data of industrial investigations the
following papers were presented:
"On the degree of fragmentation of ore and determination
of its optimum value" by V. I. Terent'ev, Mining-
Geological Station, Ac.Sc., USSR;
"On the first results of applying inclined bore holes
of a reduced dimension for explosive work under difficult
rock conditions in the Permoural."

PAVLOV, F.F., prof.; MECHIKOV, O.S., inzh.

Determining blasted rock lumpiness in quarries and studying
fissured bench edges by the photogrammetric method. Izv.vys.
ucheb.zav.; gor.zhur. no.10:61-63 '58. (MIRA 12:8)

1. Moskovskiy gornyy institut.
(Quarries and quarrying) (Photogrammetry)

BAKHTIN, A.K.; MECHIKOV, O.S.

Some results of using inclined holes in the Belogorskiy open-pit
mine. Trudy Alt. GMNII AN Kazakh. SSR 13:109-114 '62. (MIRA 16:3)
(Belogorskiy region (East Kazakhstan Province)--Boring)

MECHIKOV, O.S.; BAKHTIN, A.K.; KURLYANTSEV, V.P.

Stereophotographic and numerical determination of the content of
oversize in the disintegrated rock of exploded masses. Trudy Alt.
GMNII AN Kazakh. SSR 15:91-100 '63. (MIRA 17:3)

MECHINSKAYA, Ye.I. [Mechyns'ka, I.E.I.], dotsent

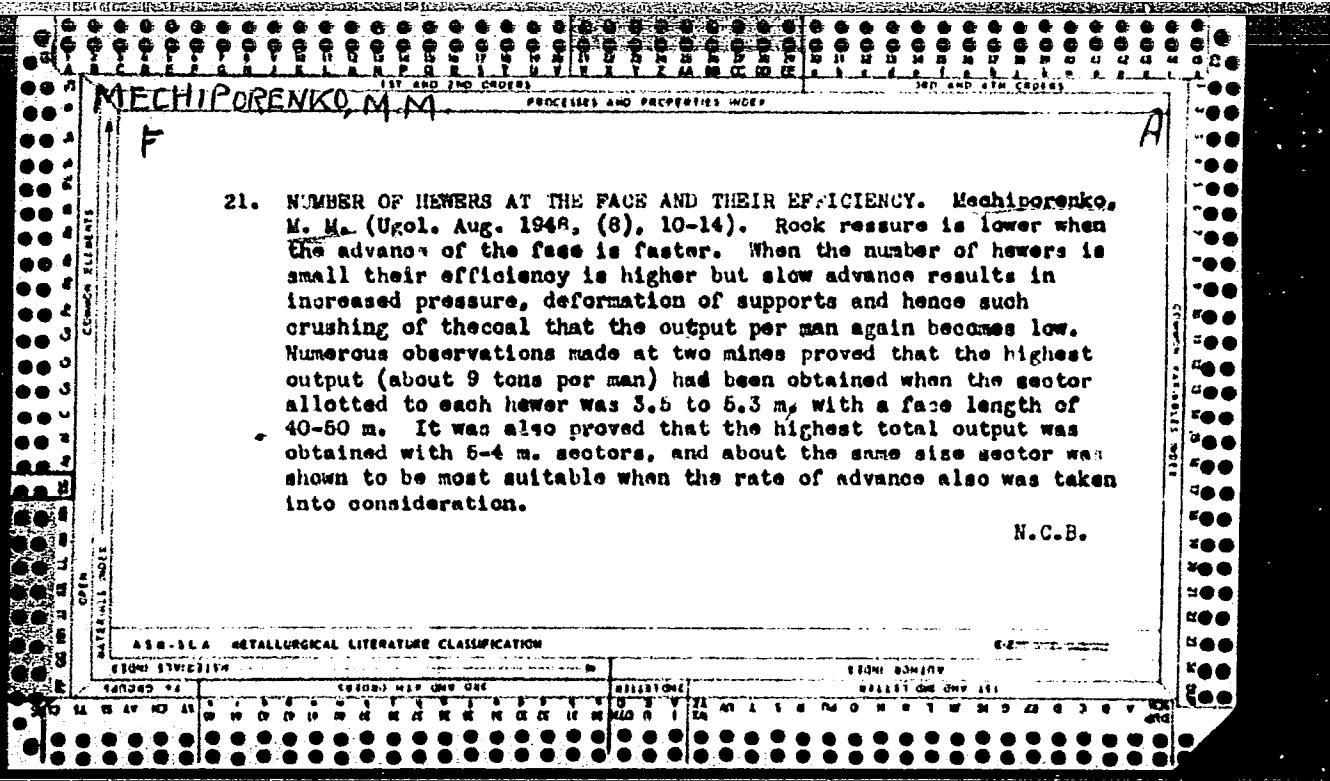
Kidney diseases in children. Ped., akush. i gin. 23 no.6:30-31
'61. (MIRA 15:4)

1. Kafedra detskikh zabolevaniy Vinnitskogo meditsinskogo instituta
(rektor - dotsent S.I.Korkhov).
(KIDNEYS--DISEASES)

MECHINSKAYA, Ye.I., dotsent

Observations on children with collagen disease. Sovet. med. 26
no.5:60-64 My'63 (MIRA 17:I)

1. Iz kafedry detskikh bolezney (zav. - dotsent Ye.I.Mechinskaya)
Vinnitskogo meditsinskogo instituta imeni N.I.Pirogova.



MECHIR, J.; KRALOVA, M.

Effect of climatotherapy on chronic bronchitis. Fyziol. vestn.
43 no.1:33-39 F '65

1. Vyskumný ústav pre fyziatriu, balneologiu a klimatologiu v
Bratislavě (riaditeľ: prof. dr. J. Hensel).

MECHIR, J.; Technicka spolupraca: SOBOTKOVA, J.

Changes in the ventilation mechanism in bronchial asthma.
Bratisl. lek. listy 45 no.8:486-495 31. 0. '65.

1. Vyskumny ustav pre fyziatriu, balneologiu a klimatologiu,
pobocka v Bratislave (riaditel prof. MUDr. J. Hensel).

MECHIR, J.; CUNDERLIK, J.

Changes of ventilation mechanics in post-pleurisy conditions.
Bratisl. lek. listy 45 no.11:682-691 15 D '65.

1. Vyskumny ustav pre fyziatriu, balneologiu a klimatologiu,
pobocka v Bratislave (riaditeľ prof. MUDr. J. Hensel) a
Krajska nemocnica tuberkulozy v Podunajskych Biskupiciach
(riaditeľ doc. MUDr. K. Virsik).

CZECHOSLOVAKIA

MECHIR, J. 2nd. Internal Clinic (II. Interni Klinika), Kosice.

"To the Evaluation of Breathing Work on the Basis of Records of Ventilation Mechanics."

Prague, Ceskoslovenska Fysiologie, Vol 15, No 2, Feb 56, p 72.

Abstract: The relationship between chest pressures and changes in the volume of the lungs are discussed. A method for the calculation of the breathing work is described. No references. Submitted at the "16 Days of Physiology" at Kosice, 29 Sep '55.

i/l

- 172 -

KOLESAR, J.; MECHIR, J. Technicka spolupraca: SOBOTKOVA, J.; PARTL, L.

The effect of elevated body temperature on the functions of
the respiratory system in chronic asthmatic bronchitis.
Bratisl. lek. listy 45 no.10:593-597 31 My'65.

1. Fyziatricka klinika Lekarskej fakulty Univerzity Komenskeho
v Bratislave a Vyskumny ustav pre fyziatriu, balneologiu a kli-
matologiu v Bratislave (veduci: prof. MUDr. J. Hensel).

MOLCHAGINA, R.P.; SOKOL, G.P.; ANTONOVICH, V.I.; MECHISLAVSKIY, Yu.A.;
DRONOVА, V.I.; BORISENKO, I.V.

Biochemical and histomorphological characteristics of chronic
experimental alcohol intoxication. Akt. vop. pat. pech. no.2:178-
201. '63. (MIRA 18:8)

COUNTRY	: USSR
CATEGORY	: Human and Animal Physiol., Neuromuscular Physiol.
ABS. JOUR.	: RZhBiol., No. 5 1959, No. 22391
AUTHOR	: Mechitashvili, V.
INST.	:
TITLE	: The Oscillogram of the Human Muscles of Mastication During the Act of Chewing (Normally and in the Edentulous Subject).
ORIG. PUB.	: Stomatologiya, 1958, No. 2, 48--52
ABSTRACT	: A record was made of the biocurrents of the masticator and temporal muscles during mastication among subjects with intact rows of teeth; the duration of the biocurrent waves fluctuated between 200 and 400 milliseconds. The frequency of the biocurrent at the height of the wave, i.e. at maximal amplitude, was 200 oscillations per second. The maximal amplitude was less than 1000 microvolts. Among edentulous subjects, during chewing the duration of the biocurrent wave fluctuated between 200 and 540 milliseconds, and its frequency at maximal amplitude was 150-350
Card:	1/2

MECHITASHVILI, V.A.

Chromaxia of masticatory muscles and the masticatory zone of the
cerebral cortex in rabbits. Soob. AN Gruz.SSR 20 no.5:609-611
My '58. (MIRA 11:10)

1. Tbilisskiy gosudarstvennyy meditsinskiy institut. Predstavleno
chlenom-korrespondentom Akademii D.P.Gedevanishvili.
(CHRONAXIA) (MASTICATION) (CEREBRAL CORTEX)

MECHITASHVILI, V.A.

Chronaxia of masticatory muscles during a complete loss of teeth
and its changes after prosthesis. Soob. AN Gruz. SSR 20 no.6:741-744
Je '58. (MIRA 11:10)

1. Tbilisskiy gosudarstvennyy meditsinskiy institut. Predstavlene
chlenom-korrespondentem Akademii D.M. Gedevanishvili.
(CHRONAXIA) (DENTAL PROSTHESIS) (MASTICATION)

MECHITASHVILI, V.A., kand.med.nauk

Oscillogram of the human masticatory muscles during mastication (with
and without teeth). Stomatologija 37 no.2:48-52 Mr-Ap '58.
(MIRA 11:5)

1. Iz kursa normal'noy fiziologii pediatricheskogo fakul'teta
(zav.-chlen-korrespondent Akademii nauk Gruzinskoy SSR D.M.
Gedevanishvili) i kafedry ortopedicheskoy stomatologii (zav.-
dotsent I.M. Gagua) Tbilisskogo meditsinskogo instituta.
• (MASTICATION)

1. MECHITOV, I.I.
2. USSR (600)
4. Hydraulic Engineering
7. Ways of bourgeois science. Vest.vys.shkoly No. 12 1952.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Unci.

M E C H I T O V , I . I .

Subject : USSR/Engineering AID P - 2130
Card 1/1 Pub. 35 - 19/20
Author : Mechitov, I. I.
Title : ~~Ten years of work of a scientific seminar group on~~
problems of hydraulic engineering. (Current events)
Periodical: Gidr. stroi., no.3, 47-48, 1955
Abstract : Research made by a seminar in hydraulic engineering in
existence since 1945 at the Tbilisi Institute of Rail-
road Engineers and the Power Engineering Institute of
the Academy of Sciences, Gruzinskaya SSR in Tbilisi is
described. The article mentions the meetings held by
the seminar and enumerates the subjects of the reports.
Institution: None
Submitted : No date

Mechitov, I.I.

3-9-16/31

AUTHOR: Mechitov, I.I., Candidate of Technical Sciences, Dotsent

TITLE: The Chair Helps Industry (Kafedra pomogayet proizvodstvu)

PERIODICAL: Vestnik Vysshay Shkoly, 1957, # 9, pp 68 - 69 (USSR)

ABSTRACT: The collective of the Chair of Hydraulics and Water Supply of the Tbilisi Institute of R R Transport Engineers has been coordinating its activity to help industry. The author mentions a number of scientific works carried out by the institute.

For three years, the Chair worked on the problem of accelerating the water supply of locomotives coming from water towers. The Chair also investigated for three years, together with the laboratory attached to the Ministry of Transportation Building, the hydraulic conditions of bridge crossings in mountain and foot hill areas. Researches relating to the hydraulics of river-beds were applied to the protection of the left bank of the Kura river near an important water-tower of the Azerbaydzhani R R. For the construction of the Rustavi Metallurgical Plant a system had to be worked out for supplying cooling water from the Kurc river. The planning of the Ortachali Hydro-Electric Power Plant required a prognosis on the accumulation of mud in the head water. At the request of the Tbilisi Town Council a

Card 1/2

The Chair Helps Industry

3-9-16/31

distribution chamber which enables the directing of waste-water into main collectors was tested.

The teachers investigated prognoses of flooding in the area of the Kazbek water reservoir in connection with the planning of the Dariali Hydroelectric Power Plant.

Considerable attention is devoted to the exchange of experience with related scientific branches and industrial organizations.

ASSOCIATION: The Tbilisi Institute of R.R. Transport Engineers imeni V.I. Lenin (Tbilisskiy institut inzhenerov zheleznodorozhnogo transporta imeni V.I. Lenina)

AVAILABLE: Library of Congress

Card 2/2

MECHITOV, I.I.

Hydraulic investigation of cooling appliances in metallurgical plants. Vod. i san.tekh. no.3:3-9 Mr '59. (MIRA 12:2)
(Refrigeration and refrigerating machinery)
(Metallurgical plants--Equipment and supplies)

MECHITOV, I.I. (Tbilisi)

Use of tagged atoms in hydraulic investigation of setting
basins. Vod.i san.tekh. no.7:1-5 Je '60.

(MIRA 13:7)

(Water--Purification) (Radioactive tracers)

MECHITOV, I.I.

Flash flood in the Terek River basin. Soob. An Gruz. SSR 25
no. 4:425-428 0 '60.
(MIRA 14:1)

1. Gruzinskiy politekhnicheskiy institut im. V.I. Lenina.
Predstavлено академиком A.N. Dzhavakhishvili.
(Terek Valley--Floods)

BOCHITOV, I.I.

The flash flood of July 21, 1960 in the Kafan region (Armenian S.S. .)
Meteor. i gidrol. no.3:37-38 Mr '61. (M A 14:2)
(Vokchhi River--Floods)

MECHITOV, I., kand.tekhn.nauk

Use of radioactive isotopes for measuring the flow of water
streams. Prom.Arm. 4 no.4:31-34 Ap '61. (MIRA 14:6)
(Radioisotopes--Industrial applications)
(Flowmeters)

MECHITOV, I.I., kand.tekhn.nauk

Operation of tailings storage ponds in mountain rivers. TSvet, met.
34 no.2:16-18 F '61. (MIRA 14:6)
(Armenia---Tailings (Metallurgy))

MECHITOV, I.I.

Mud flow phenomena in the Vokhchi River Basin (Armenian S.S.R.).
Izv. Vses. geog. ob-va 93 no.6: 522-527 N-D '61. (MIRA 15:1)
(Vokhchi Valley--Landslides)

SVANIDZE, G.G.; MECHITOV, I.I.

Methodology for formulating future water supply balances based
on the example of the Kura River. Trudy Inst.energ.AN Gruz.SSR
16:31-46 '62. (MIRA 16:4)
(Kura River) (Water supply)

SHCHEGLOVA, O. P., kand. fiz.-matem. nauk; LUT, B. F.; MECHITOV, I. I.,
kand. tekhn. nauk (Tbilisi); IVERONOVA, I. M., kand. geografi.
nauk (Moskva); IOGANSON, V. Ye. (Moskva); LARIONOV, P. M.
(Uzhgorod)

Mud torrents. Priroda 52 no.1:90-96 '63. (MIRA 16:1)

1. Tashkentskiy gosudarstvennyy universitet im. V. I. Lenina
for Shcheglova). 2. Baykal'skaya limnologicheskaya stantsiya,
poselok Listvenichnoye, Irkutskaya obl. (for Lut).

(Runoff) (Erosion)

"APPROVED FOR RELEASE: 07/12/2001

CIA-RDP86-00513R001033210012-8

MECHITOV, I.I.; KURDGELASHVILI, N.G.

Water balance of the Alazani River Basin. Trudy Inst. energ.
AN Gruz. SSR 17:105-114 '63. (MIRA 17:7)

APPROVED FOR RELEASE: 07/12/2001

CIA-RDP86-00513R001033210012-8"

MECHITOV, LeLe...

Determining the velocity of underground flow. Izv. vys. ucheb. zav.; neft' i gaz 5 no.11 107-108 '62. (MIRA 17:6)

1. Gavinskij politekhnicheskiy institut imeni enina.

MECHKAROV, Atanas

The Bulgarian People's Bank and its role in building socialism. Den. i kred. 13 no.1:24-32 Ja '55. (MIRA 8:2)

1. Predsedatel' Bolgarskogo narodnogo banka.
(Bulgaria--Bank and banking)

MECHKAROVA, Liliia

Activization of students in the classes of biology. Biol
i khim 4 no.5:37-42 '62.

1. 1 politekhn. gimnaziiia, Kazanluk.

MISCHKARSKI, Iosif M., k. t. n. inzh.; SEMOV, Stefan Iv., inzh.

Measures against water hammering in the pressure pipeline of the Khanovo
Pumping Station. Khidrotekh i melior 8:235-237 '63.

MICHAEFSKI, F.

MECHIARSKI, P. Using the method of analogy for safeguarding the equipment
in the G. Dimitrov State Mine Enterprise in Dimitrov. p. 29.

Vol. 11, No. 5, Sept./ Oct. 1956.
MINNO DELO
TECHNOLCGY
Sofia, Bulgaria

See: East European Acquisition, Vol. 5, No. 3, March 1957

MECHKARSKI, P.

"Use of Professor V. V. Kavraiskii's stereographic net for the solution of certain problems in the field of geologic surveys."

p.83 (Minno Delo, Vol. 12, no. 2, Mar./Apr. 1957, Sofia, Bulgaria)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 8, August 1958

MECHKARSKI, P.

"Surveyor's inspection of the hoisting machinery."

MINNO DELO, Sofiia, Bulgaria, Vol. 14, no. 2, Mar./Apr. 1959.

Monthly list of East Europe Accessions (EEAI), LC, Vol. 8, No. 6, *Sep. 59*,
Uncclas

MECHKARSKI, P., inzh.

Computing the vertical removal of the rocks at the Dimitrovo
Basin. Godishnik Min geol inst 7 no.1:37-44 '60/'61.

MECHKARSKI, P., inzh.

Computing the movement of earth surface under the influence of underground mining operations in the Perniv Coal Basin. Godishnik Min geol inst 8:269-279 '61-'62 [publ. '63].

MECHKARSKI, P., inzh.; STOIANOV, B., k.t.n.; MIKHAILOVA, E., inzh.

The projection and construction of railroad lines over the areas liable to subsidence due to mining. Stroitelstvo 9 no.6:14-16 N-D '62.

NEKHLOROSHEV, IU. [Nekhoroshev, Yu.], inzh.; MECHKARSKI, P.,
inzh.

Conditions for a safe exploitation of railroads undermined
by underground mining. Min delo 18 no. 12: 18-22 D '63

1. Minno-geologhki institut (for MechkarSKI).
2. Vsesoyuznyy nauchno-issledovatel'skiy marksheyderskiy
institut, Donetsk (for Nekhoroshev).

MECHKARSKI, S.

(13)

308. Estudy ojedenec Nukleic acids, vol. 14, no. 3, 1951 (cont'd)
317. "Specificity of the Fluorochromic Reactions in
the Cytoskeletal Analysis of DNA" G. KSEV, pp. 295-302.
318. "Antibacterial Properties of Honey" C. SHIROV and St.
J. Shirov, pp. 363-374.
319. "Neutral and Antibiotic or Sulphonamide-Induced
Nuclein Inclusions in Certain Fisobacteria" G. Crisp pp.
307-310.
320. "On the Action of Nucleic Acids in the Embryo Sac
of Spiantus annua L. by Auraria" [in English] pp. 311-314.
321. Vaskulova-Luk'yanych O.A. "Physiological Studies on the Growth of Preserved
Tender Salmonella Strains" G. Sokolov, Khulev and
Dmitriev, pp. 315-316. [in English]
322. "On the Inhalatory-Nicotinic Changes Induced in
the River Frog (Rana ridibunda L.) by Nicotinamide",
Organic G. Zhukov, V. Dovbush, I. Gračaroff,
L. Sachet and A. Terebov, pp. 117-120.
323. "Changes of the Serotonin in Frog After Stimulation
in the Hypothalamic Acid" N. Naleškoff, pp. 321-324.

— 2/2 —

MECHKARSKI, St; DIMOV, G.

Certain atypical cases of hemorrhagic fever. Suvrem.med.,
Sofia 6 no.4:38-41 '55.

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